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CLAIMS

1. A compound of general formula (I):

$$(X)_n$$
 R^a
 R^3
 R^4
 $(Y)_p$
 (I)

in which:

- n is 1, 2, or 3;
- p is 1, 2, 3 or 4;
- Ra is a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms;
- each substituent X is chosen, independently of the others, as being a hydrogen atom, a halogen atom, a C_1 - C_6 -alkyl or a C_1 - C_6 -halogenoalkyl;
- R¹ and R² are chosen independently of each other as being a hydrogen atom, a halogen atom, a cyano group, a hydroxy group, an amino group, a sulfanyl group, a formyl group, a formyloxy group, a formylamino group, a carboxy group, a carbamoyl group, a N-hydroxycarbamoyl group, a carbamate group, a (hydroxyimino)-C₁-C₆-alkyl group, a C₁-C₆-alkyl, a C₂-C₆-alkenyl, a C₂-C₆-alkynyl, a C₁-C₆-alkylamino, a di-C₁-C₆-alkylamino, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms, a C₁-C₆-halogenoalkoxy having 1 to 5 halogen atoms, a C₁-C₆-alkylsulfanyl, a C₁-C₆-halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C₂-C₆-alkenyloxy, a C₂-C₆-halogenoalkenyloxy having 1 to 5 halogen atoms, a C₃-C₆-alkynyloxy, a C₃-C₆-halogenoalkynyloxy having 1 to 5 halogen atoms, a C₃-C₆cycloalkyl, a C₃-C₆-halogenocycloalkyl having 1 to 5 halogen atoms, a C₁-C₆alkylcarbonyl, a C₁-C₆-halogenoalkylcarbonyl having 1 to 5 halogen atoms, a C₁-C₆alkylcarbamoyl, a di-C₁-C₆-alkylcarbamoyl, a N-C₁-C₆-alkyloxycarbamoyl, a C₁-C₆alkoxycarbamoyl, a N-C₁-C₆-alkyl-C₁-C₆-alkoxycarbamoyl, a C₁-C₆-alkoxycarbonyl, a C₁-C₆-halogenoalkoxycarbonyl having 1 to 5 halogen atoms, a C₁-C₆alkylcarbonyloxy, a C₁-C₆-halogenoalkylcarbonyloxy having 1 to 5 halogen atoms, a C_1 - C_6 -alkylcarbonylamino, a C_1 - C_6 -halogenoalkylcarbonylamino having 1 to 5 halogen atoms, a C₁-C₆-alkylaminocarbonyloxy, a di-C₁-C₆-alkylaminocarbonyloxy, a C₁-C₆-alkyloxycarbonyloxy, a C_1 - C_6 -alkylsulphenyl, $C_{1}-C_{6}-$

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halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C₁-C₆-alkylsulphinyl, a C₁-C₆-halogenoalkylsulphinyl having 1 to 5 halogen atoms, a C₁-C₆-alkylsulphonyl, a C₁-C₆-halogenoalkylsulphonyl having 1 to 5 halogen atoms, a benzyl, a benzyloxy, a benzylsulfanyl, a benzylsulfinyl, a benzylsulfonyl, a benzylsulfonyl, a phenylsulfanyl, a phenylsulfinyl, a phenylsulfonyl, a phenylsulfonyl, a phenylsulfonyl, a phenylsulfonyl group; or R¹ and R² may form together a cyclopropyl, a cylcobutyl, a cyclopentyl or a cyclohexyl;

- R³ and R⁴ are chosen independently of each other as being a hydrogen atom, a halogen atom, a cyano group, a hydroxy group, an amino group, a sulfanyl group, a formyl group, a carboxy group, a carbamoyl group, a N-hydroxycarbamoyl group, a carbamate group, a (hydroxyimino)-C₁-C₆-alkyl group, a C₁-C₆-alkyl, a C₂-C₆alkenyl, a C2-C6-alkynyl, a C1-C6-alkylamino, a di-C1-C6-alkylamino, a C1-C6alkoxy, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms, a C₁-C₆-halogenoalkoxy having 1 to 5 halogen atoms, a C₁-C₆-alkylsulfanyl, a C₁-C₆-halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C2-C6-alkenyloxy, a C2-C6-halogenoalkenyloxy having 1 to 5 halogen atoms, a C₃-C₆-alkynyloxy, a C₃-C₆-halogenoalkynyloxy having 1 to 5 halogen atoms, a C₃-C₆-cycloalkyl, a C₃-C₆-halogenocycloalkyl having 1 to 5 halogen atoms, a C₁-C₆-alkylcarbonyl, a C₁-C₆-halogenoalkylcarbonyl having 1 to 5 halogen atoms, a N-C₁-C₆-alkyloxycarbamoyl, a C₁-C₆-alkoxycarbamoyl, a N-C₁-C₆-alkyl-C₁-C₆-alkoxycarbamoyl, a C₁-C₆-halogenoalkoxycarbonyl having 1 to 5 halogen atoms, a C₁-C₆-alkylcarbonyloxy, a C₁-C₆-halogenoalkylcarbonyloxy having C₁-C₆-alkylcarbonylamino, $C_{1}-C_{6}$ to 5 halogen atoms, a having 1 to 5 halogen atoms, $C_{1}-C_{6}$ halogenoalkylcarbonylamino a di-C₁-C₆-alkylaminocarbonyloxy, C1-C6alkylaminocarbonyloxy, a alkyloxycarbonyloxy, a C₁-C₆-alkylsulphenyl, a C₁-C₆-halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C₁-C₆-alkylsulphinyl, a C₁-C₆-halogenoalkylsulphinyl having 1 to 5 halogen atoms, a C₁-C₆-alkylsulphonyl, a C₁-C₆-halogenoalkylsulphonyl having 1 to 5 halogen atoms, a benzyl, a benzyloxy, a benzylsulfanyl, a benzylsulfinyl, a benzylsulfonyl, a benzylamino, a phenoxy, a phenylsulfanyl, a phenylsulfinyl, a phenylsulfonyl, a phenylamino, a phenylcarbonylamino, a 2,6 dichlorophenyl-carbonylamino group or a phenyl group;

with the proviso that when three of the four substituents R^1 , R^2 , R^3 and R^4 are a hydrogen atom, then the fourth substituent is not a hydrogen atom;

- R⁵ is chosen as being a hydrogen atom, a cyano group, a formyl group, a hydroxy group, a C₁-C₆-alkyl, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms, a

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C₁-C₆-alkoxy, a C₁-C₆-halogenoalkoxy having 1 to 5 halogen atoms, a C₃-C₆-halogenocycloalkyl having 1 to 5 halogen atoms, a C₂-C₆-alkenyl, a C₂-C₆-alkynyl, a C₁-C₆-alkoxy-C₁-C₆-alkyl, a C₁-C₆-cyanoalkyl, a C₁-C₆-aminoalkyl, a C₁-C₆-alkylamino-C₁-C₆-alkylamino

- Y is the same or different and is a hydrogen atom, a halogen atom, a nitro group, a cyano group, a hydroxy group, an amino group, a sulfanyl group, a pentafluoro- λ^6 -sulfanyl group, a formyl group, a formyloxy group, a formylamino group, a carboxy group, a C_1 - C_8 -alkyl, a C_1 - C_8 -halogenoalkyl having 1 to 5 halogen atoms, a C_2 - C_8 -alkenyl, a C_2 - C_8 -alkynyl, a C_1 - C_8 -alkylamino, a di- C_1 - C_8 -alkylamino, a C_1 - C_8 -alkoxy, a C_1 - C_8 -halogenoalkoxy having 1 to 5 halogen atoms, a C_1 - C_8 -alkylsulfanyl, a C_1 - C_8 -halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C_1 - C_8 -alkoxycarbonyl having 1 to 5 halogen atoms, a C_1 - C_8 -alkylcarbonyloxy, a C_1 - C_8 -halogenoalkylcarbonyloxy having 1 to 5 halogen atoms, a C_1 - C_8 -alkylsulphenyl, a C_1 - C_8 -halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C_1 - C_8 -alkylsulphinyl, a C_1 - C_8 -halogenoalkylsulphinyl having 1 to 5 halogen atoms, a C_1 - C_8 -alkylsulphonyl, a C_1 - C_8 -halogenoalkylsulphinyl having 1 to 5 halogen atoms or a C_1 - C_8 -alkylsulphonyl, a C_1 - C_8 -halogenoalkylsulphinyl having 1 to 5 halogen atoms or a C_1 - C_8 -alkylsulfonamide; and

- R^b is a halogen atom, a nitro group, a cyano group, an amino group, a sulfanyl group, a pentafluoro- λ^6 -sulfanyl group, a formyl group, a formyloxy group, a formylamino group, a carboxy group, a C_1 - C_6 -alkyl, a C_1 - C_6 -halogenoalkyl having 1 to 5 halogen atoms, a C_2 - C_6 -alkenyl, a C_1 - C_6 -alkylamino, a C_1 - C_6 -alkoxy, a C_1 - C_6 -halogenoalkoxy having 1 to 5 halogen atoms, a C_1 - C_6 -alkoxy- C_2 - C_6 -alkenyl, a C_1 - C_6 -alkylsulfanyl, a C_1 - C_6 -halogenoalkylsulfanyl having 1 to 5 halogen atoms, a C_1 - C_6 -alkoxycarbonyl having 1 to 5 halogen atoms, a C_1 - C_6 -alkylcarbonyloxy, a C_1 - C_6 -halogenoalkylcarbonyloxy having 1 to 5 halogen atoms, a C_1 - C_6 -alkylsulphenyl, a C_1 - C_6 -halogenoalkylsulphenyl having 1 to 5 halogen atoms, a C_1 - C_6 -alkylsulphinyl, a C_1 - C_6 -halogenoalkylsulphinyl having 1 to 5 halogen atoms, a C_1 - C_6 -alkylsulphinyl, a C_1 - C_6 -halogenoalkylsulphinyl having 1 to 5 halogen atoms, a C_1 - C_6 -alkylsulphonyl, a C_1 - C_6 -halogenoalkylsulphonyl having 1 to 5 halogen atoms or a C_1 - C_6 -alkylsulphonyl, a C_1 - C_6 -halogenoalkylsulphonyl having 1 to 5 halogen atoms or a C_1 - C_6 -alkylsulfonamide;

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as well as its salts, N-oxydes, metallic complexes, metalloidic complexes and optically active isomers.

- 2. A compound according to claim 1, characterised in that n is 1 or 2.
- 3. A compound according to claim 1 or 2, characterised in that X is a halogen atom.
- 4. A compound according to claim 3, characterised in that X is chlorine.
- 5. A compound according to any of the claims 1 to 4, characterised in that R^a is -CF₃.
- 6. A compound according to any of the claims 1 to 5, characterised in that the 2pyridyl is substituted in 3- and/or in 5-position.
 - 7. A compound according to claim 6, characterised in that the 2-pyridyl is substituted in 3-position by X and in 5-position by R^a.
- 20 **8.** A compound according to any of the claims 1 to 7, characterised in that the 2-pyridyl is substituted in 3-position by -Cl and in 5-position by -CF₃.
 - 9. A compound according to any of the claims 1 to 8, characterised in that R^b is a halogen atom, a C₁-C₆-alkyl, a C₁-C₆-alkoxy or a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms.
 - 10. A compound according to any of the claims 1 to 9, characterised in that p is 1.
- 30 11. A compound according to any of the claims 1 to 10, characterised in that Y is a hydrogen atom, a halogen atom or a C₁-C₆-alkyl.
- 12. A compound according to any of the claims 1 to 11, characterised in that R¹ and R² are chosen, independently of each other, as being a hydrogen atom, a halogen atom, a cyano group, a hydroxy group, a C₁-C₆-alkyl, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms, a C₂-C₆-alkenyl, a C₁-C₆-alkoxy, a C₁-C₆-alkylsulfanyl, a C₁-C₆-alkylsulfany

 C_6 -alkylsulfenyl, a C_1 - C_6 -alkylsulfinyl, a C_1 - C_6 -alkoxycarbonyl, a C_1 - C_6 -alkoxycarbonylamino or a phenyl group.

- 5 13. A compound according to claim 12, characterised in that R¹ and R² are chosen, independently of each other, as being a halogen atom, a C₁-C₆-alkyl, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms, a C₁-C₆-alkylcarbonylamino.
- 14. A compound according to any of the claims 1 to 13, characterised in that R³ and R⁴ are chosen, independently of each other, as being a hydrogen atom, a halogen atom, a cyano group, a C₁-C₆-alkyl, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms, a C₁-C₆-alkylcarbonylamino or a phenyl group.
- 15. A compound according to claim 14, characterised in that R³ and R⁴ are chosen, independently of each other, as being a halogen atom, a C₁-C₆-alkyl, a C₁-C₆-halogenoalkyl having 1 to 5 halogen atoms or a phenyl group.
 - 16. A compound according to any of the claims 1 to 13, characterised in that R^5 is a hydrogen atom or a C_3 - C_7 -cycloalkyl.
 - 17. A process for the preparation of a compound of general formula (I) as defined in any of the claims 1 to 16, which comprises reacting a 2-pyridine derivative of general formula (II) or one of its salt:

$$(X)_{n} \xrightarrow{R^{a}} R^{3} R^{4}$$

$$R^{1} \xrightarrow{R^{2}} R^{5} \qquad (II)$$

in which X, n, R^a, R¹, R², R³, R⁴ and R⁵ are as in any of the preceding claims;
with a carboxylic acid derivative of the general formula (III)

$$L^{2} \bigvee_{\mathbb{R}^{b}} (Y)_{p} \qquad (III)$$

in which:

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- Y, p and R^b are as defined in any of the preceding claims; and

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- L^2 is a leaving group chosen as being a halogen atom, a hydroxyl group, -OR⁶, -OCOR⁶, R⁶ being a C₁-C₆ alkyl, a C₁-C₆ haloalkyl, a benzyl, 4-methoxybenzyl, pentafluorophenyl or a group of formula

O (Y)_p

in the presence of a catalyst and, if L² is a hydroxyl group, in the presence of a condensing agent.

18. A process according to claim 17, characterised in that R⁵ is a hydrogen atom and that the process is completed by a further step according to the following reaction scheme:

$$(X)_{n} R^{a}$$

$$(X)_{n} R^{a}$$

$$(X)_{n} R^{a}$$

$$(X)_{n} R^{4} R^{3} Q$$

$$(Y)_{p}$$

$$(Y)_{p}$$

$$(X)_{n} R^{4} R^{3} Q$$

$$(Y)_{p}$$

$$(Y)_{p}$$

$$(X)_{n} R^{4} R^{3} Q$$

$$(Y)_{p}$$

$$(Y$$

in which: -R¹, R², R³, R⁴, R^a, R^b, X, Y, n and p are as defined in any of the claims 1 to 15;

- L⁵ is a leaving group chosen as being a halogen atom, a 4-methyl phenylsulfonyloxy or a methylsulfonyloxy; comprising the reaction of a compound of general formula (Id) with a compound of general formula (XXII) to provide a compound of general formula (I).

- 19. A fungicidal composition comprising an effective amount of a compound according to any of the claims 1 to 16 and an agriculturally acceptable support.
- 20. A method for preventively or curatively combating the phytopathogenic fungi of crops, characterised in that an effective and non-phytotoxic amount of a composition according to claim 19 is applied to the plant seeds or to the plant leaves and/or to the fruits of the plants or to the soil in which the plants are growing or in which it is desired to grow them.